

FLO-BEADS EA-209, 2590-01-0-04E, 25 NOVEMBER 2003,

MATERIAL SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME FLO-BEADS EA-209
NAME OF SUPPLIER SUMITOMO SEIKA CHEMICALS CO.,LTD Functional Polymers Division
Functional Polymers Department.
ADDRESS OF SUPPLIER 5-33, 4-Chome, Kitahama, Chuoku, Osaka, Japan
TELEPHONE NUMBER +81-6-6220-8549
TELEFAX NUMBER +81-6-6220-8578

2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/PREPARATION SUBSTANCE
CHEMICAL NAME OR GENERIC NAME Ethylene-acrylic acid copolymer
CAS REGISTRY NUMBER 9010-77-9
CHEMICAL FORMULA $(\text{CH}_2-\text{CH}_2)_n(\text{CH}_2\text{CHCOOH})_n$
IMPURITIES CONTRIBUTING TO THE HAZARD None

3. HAZARDS IDENTIFICATION

THE MOST IMPORTANT HAZARDS AND EFFECTSPHYSICAL AND CHEMICAL HAZARDSSPECIFIC HAZARDSCLASSIFICATION

None

Flammable at highly temperature.

None

Not listed in OSHA.

Not listed in ACGIH.

4. FIRST-AID MEASURES

INHALATION

Remove the victim from the contamination immediately to fresh air. If breathing is weak, irregular or has stopped, open his airway, loosen his collar and belt and administer artificial respiration. And refer for medical attention.

SKIN CONTACT

Immediately flush skin with copious amount of soap water while removing powders from contaminated clothing and shoes.

EYE CONTACT

Immediately flush eyes with copious amount of clean water for at least 15 minutes and take medical treatment. Wash out mouth with water and take medical treatment.

INGESTION

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Water mist, dry chemical powder, foam or carbon dioxide.

SPECIFIC HAZARD WITH REGARD TO FIRE-FIGHTING MEASURES

Combustible dust causes irritation.

SPECIAL EQUIPMENT FOR THE PROTECTION OF FIREFIGHTERS

Wear protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES	
PERSONAL PRECAUTIONS	Ensure suitable personal protection during removal of spillings.
ENVIRONMENTAL PRECAUTIONS	None
RECOVERY	Sweep and gather with a broom, then place in a waste containers.
DISPOSAL	Burn this material. Disposal should be in accordance with local, state or national legislation.
7. HANDLING AND STORAGE	
TECHNICAL MEASURES	Keep away from heat, sparks, flame and all other ignition sources. Take ground from equipment to remove static electricity of material.
PRECAUTIONS FOR SAFE HANDLING	Handle a container gently, and avoid strong impact.
STORAGE	None
TECHNICAL MEASURES	Keep away from heat, sparks, flame and all other ignition sources. Take ground from equipment to remove static electricity of material.
PRECAUTIONS FOR FIRE AND EXPLOSION	Handle a container gently, and avoid strong impact.
STORAGE	None
SEPARATION FROM INCOMPATIBLE PRODUCTS	Avoid contact with oxidant.
SAFE PACKAGING MATERIALS	Store in a cool dry, well-ventilated location. Protect from direct sunlight. Keep away from humidity.
RECOMMENDED	Stainless steel, Polyethylene etc.
8. EXPOSURE CONTROL/PERSONAL PROTECTION	
ENGINEERING MEASURES TO REDUCE EXPOSURE	Make available in the work area local ventilation.
PERSONAL PROTECTIVE EQUIPMENT	Wear gloves, safety goggles, other protective clothing.
BIOLOGICAL STANDARDS	None
LIMIT VALUE	Not available
CONTROL PARAMETERS	Not available
PERSONAL PROTECTIVE EQUIPMENT	Respiratory protection
HAND PROTECTION	Chemical-resistant gloves
EYE/FACE PROTECTION	Safety goggle, face shield
SKIN AND BODY PROTECTION	Apron, impervious boots

9. PHYSICAL AND CHEMICAL PROPERTIES	
FORM	Solid
COLLOUR	White
ODOUR	Stightly characteristic odour
IN PHYSICAL STATES	TEMPERATURE/TEMPERATURE RANGE OF CHANGING
MELTING POINT	90 - 105 °C
FLASH POINT	Approx. 340°C
AUTOIGNITION TEMPERATURE	>400°C
DENSITY	0.93 - 0.96 g/cm³
SOLUBILITY IN WATER	Insoluble
10. PHYSICAL HAZARD (STABILITY AND REACTIVITY)	
STABILITY	Stable at room temperature.
POSSIBLE HAZARDOUS REACTIONS	Flammable at highly temperature. Keep away from heat, sparks, flame and all other ignition sources.
CONDITIIONS TO AVOID	Avoid contact with oxidant.
MATERIALS TO AVOID	Carbon monoxide, carbon dioxide, Aldehyde etc.
11. TOXICOLOGICAL INFORMATION	
ACUTE TOXICITY	Not available
LOCAL EFFECTS (irritation)	Not listed in OSHA, NTP.
CARCINOGENICITY	Not listed in IARC (group 3; Not classifiable)
12. ECOLOGICAL INFORMATION	
MOBILITY	Not available
PERSTISTENCE/DEGRADABILITY	Not available
BIOACCUMULATION	Not available
BEHAVIOR, IMPACT OR ECOTOXICITY	Not available
13. DISPOSAL CONSIDERATIONS	
WASTE FROM RESIDUE	Generally, burn this material. Disposal should be in accordance with local, state or national legislation.
COMMINUTED PACKAGING	Follow all regulations in your country.
14. TRANSPORT INFORMATION	
INTERNATIONAL REGULATIONS	None
UN CLASSIFICATION	Not classified
UN NUMBER	None

ELO-BEADS RA-209, 2590-01-0-04B, 25 NOVEMBER 2003,